SEQUENCE LISTING

(1) GENERAL INFORMATION:

    (i) APPLICANT: Carl H. June et al.

    (ii) TITLE OF INVENTION: Methods for Modulating Expression of an HIV-1 Fusion Cofactor

    (iii) NUMBER OF SEQUENCES: 7

    (iv) CORRESPONDENCE ADDRESS:
        (A) ADDRESSEE: LAHIVE & COCKFIELD, LLP
        (B) STREET: 28 State Street
        (C) CITY: Boston
        (D) STATE: Massachusetts
        (E) COUNTRY: USA
        (F) ZIP: 02109

    (v) COMPUTER READABLE FORM:
        (A) MEDIUM TYPE: Floppy disk
        (B) COMPUTER: IBM PC compatible
        (C) OPERATING SYSTEM: PC-DOS/MS-DOS
        (D) SOFTWARE: PatentIn Release #1.0, Version #1.25

    (vi) CURRENT APPLICATION DATA:
        (A) APPLICATION NUMBER:
        (B) FILING DATE:
        (C) CLASSIFICATION:

    (vii) PRIOR APPLICATION DATA:
        (A) APPLICATION NUMBER: US 60/037,422
        (B) FILING DATE: 21-FEB-1997

    (viii) ATTORNEY/AGENT INFORMATION:
        (A) NAME: Amy E. Mandragouras
        (B) REGISTRATION NUMBER: 36,207
        (C) REFERENCE/DOCKET NUMBER: GIN-005

    (ix) TELECOMMUNICATION INFORMATION:
        (A) TELEPHONE: (617)227-7400
        (B) TELEFAX: (617)742-4214

(2) INFORMATION FOR SEQ ID NO:1:

    (i) SEQUENCE CHARACTERISTICS:
        (A) LENGTH: 7 amino acids
        (B) TYPE: amino acid
        (D) TOPOLOGY: linear

    (ii) MOLECULE TYPE: peptide

    (v) FRAGMENT TYPE: internal

    (ix) FEATURE:
        (A) NAME/KEY: Peptide
        (B) LOCATION: 1 - 20
        (D) OTHER INFORMATION: /note= "any 20 Xaas at location 1 - 20 may be absent and intended to equal a range of 0 - 20 amino acids"

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(ix)  FEATURE:
      (A)  NAME/KEY: Peptide
      (B)  LOCATION: 26 - 45
      (D)  OTHER INFORMATION: /note= "any 20 Xaas at location 26 - 45 may
be absent and intended to equal a range of 0 - 20 amino acids"


(xi)  SEQUENCE DESCRIPTION: SEQ ID NO:1:

Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa
1               5                   10                      15
Xaa Xaa Xaa Xaa Pro Pro Tyr Tyr Leu Xaa Xaa Xaa Xaa Xaa Xaa Xaa
            20                  25                      30
Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa
        35                  40                      45
```

(2) INFORMATION FOR SEQ ID NO:2:

```
    (i)  SEQUENCE CHARACTERISTICS:
         (A)  LENGTH: 39 base pairs
         (B)  TYPE: nucleic acid
         (C)  STRANDEDNESS: single
         (D)  TOPOLOGY: linear

    (ii)  MOLECULE TYPE: cDNA



    (xi)  SEQUENCE DESCRIPTION: SEQ ID NO:2:

CATGAAGCTT CTCGAGCCGC CACCATGGCT TGCCTTGGA                         39
```

(2) INFORMATION FOR SEQ ID NO:3:

```
    (i)  SEQUENCE CHARACTERISTICS:
         (A)  LENGTH: 40 base pairs
         (B)  TYPE: nucleic acid
         (C)  STRANDEDNESS: single
         (D)  TOPOLOGY: linear

    (ii)  MOLECULE TYPE: cDNA



    (xi)  SEQUENCE DESCRIPTION: SEQ ID NO:3:

GAGAATTCTA GACTAGCTTA AGTCAGAATC TGGGCACGGT                        40
```

(2) INFORMATION FOR SEQ ID NO:4:

```
    (i)  SEQUENCE CHARACTERISTICS:
         (A)  LENGTH: 21 base pairs
         (B)  TYPE: nucleic acid
         (C)  STRANDEDNESS: single
         (D)  TOPOLOGY: linear

    (ii)  MOLECULE TYPE: cDNA
```

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:4:

GGCTAACTAG GGAACCCACT G   21

(2) INFORMATION FOR SEQ ID NO:5:

    (i) SEQUENCE CHARACTERISTICS:
        (A) LENGTH: 24 base pairs
        (B) TYPE: nucleic acid
        (C) STRANDEDNESS: single
        (D) TOPOLOGY: linear

    (ii) MOLECULE TYPE: cDNA

    (xi) SEQUENCE DESCRIPTION: SEQ ID NO:5:

CTGCTAGAGA TTTTCCACAC TGAC   24

(2) INFORMATION FOR SEQ ID NO:6:

    (i) SEQUENCE CHARACTERISTICS:
        (A) LENGTH: 30 base pairs
        (B) TYPE: nucleic acid
        (C) STRANDEDNESS: single
        (D) TOPOLOGY: linear

    (ii) MOLECULE TYPE: cDNA

    (xi) SEQUENCE DESCRIPTION: SEQ ID NO:6:

CCGTCTGTTG TGTGACTCTG GTAACTAGAG   30

(2) INFORMATION FOR SEQ ID NO:7:

    (i) SEQUENCE CHARACTERISTICS:
        (A) LENGTH: 30 base pairs
        (B) TYPE: nucleic acid
        (C) STRANDEDNESS: single
        (D) TOPOLOGY: linear

    (ii) MOLECULE TYPE: cDNA

    (xi) SEQUENCE DESCRIPTION: SEQ ID NO:7:

CTTGATAATC CATCTTGTTC CACCCTGTGC   30